

REMARKS

Very thanks for Examination's suggestion and thanks for finding some citations about the present invention, thereby, the applicant may know more information about the invention. This case has been carefully reviewed and analyzed in view of the office action.

Responsive to the objections and rejections made of the Examiner in office action. We have amended the specification, claims and abstracts. All the errors disclosed in that office action has been corrected according to the Examiner's indications disclosed in the official action.

Indeed the citations disclose some features of the present invention, and the applicant agrees with these viewpoints, however applicant discovers that some features of the present invention are not wholly disclosed by the citations, which are claimed in the original specifications and especially drawings.

Please cancel Claims 1 to 3, without prejudice or disclaimer of the subject matter thereof, and add new claims 4 to 8. The added new claim 4 is modified from the original claim 1. The new claim 4 has the content of original claim 1 and some features in the Fig. 2 of the present invention so as to further confine the scope of the original claim 1 to avoid the rejection of the citation. The new claim 5 add the content in the original claim 2 to the new claim 4. The new claim 7 is from the last paragraph in page 4. The new claims 8 and 9 from the first paragraph in page 5. Thereby, it is assured that the new claims are based on the original claims, drawings, and specifications, and thus no new matter is added. The relations of the new claim with respect to the original claims are shown in the following.

Claims 1 to 3 (Cancelled)

Claim 4. (New) An air valve structure of a pneumatic motor of

a screwdriver, a spindle of a pneumatic motor being installed between a bearing top seat and a bearing bottom seat; the bearing top seat being installed in a top of an inner chamber of the screwdriver with a top washer being located between the bearing top seat and a top wall of the inner chamber; each of the bearing top seat and the bearing bottom seat having a respective air inlet for driving the pneumatic motor to rotate; wherein

the spindle of the pneumatic motor is formed with a bi-directional rod groove; one top end of the rod groove is communicated to the top of the inner chamber with an air inlet of the pneumatic motor and a bottom end thereof is formed with a valve gate to be communicated to an air supply of an upper valve opening of the valve gate in the screwdriver so as to form an air path to supply air to drive the pneumatic motor.

a piston rod for beating a screw nail is mounted in the rod groove; an air stop washer is formed on the piston rod for controlling opening and closing of the valve gate with the movement of the screw nail as the screw nail is beaten so as to control the opening and closing of the valve gate, and thus rotation of the pneumatic motor is controlled.

Claim 5. (New) The air valve structure of a pneumatic motor of a screwdriver as claimed in claim 1, wherein the air inlet of the pneumatic motor has an annular washer at a top of the bearing top seat; the annular washer has a groove which is extended from an inner hole of the annular washer to outsides so as to communicate with rod groove and the air inlet of the pneumatic motor.

Claim 6. (New) The air valve structure of a pneumatic motor of a screwdriver as claimed in claim 1, wherein a planet gear set has a first driving gear; the first driving gear is driven by the spindle and then serves to drive a plurality of second driven gears around the first driving gear and an internal gear; the second driven gears

will drive a power output disk on the bearing seat to rotate.

Claim 7. (New) The air valve structure of a pneumatic motor of a screwdriver as claimed in claim 1, wherein an axial line of the output disk is formed with a polygonal hole and a polygonal piston rod is installed along an axial line of the output disk and passes through the polygonal hole.

Claim 8. (New) The air valve structure of a pneumatic motor of a screwdriver as claimed in claim 1, wherein a bush is engaged to the polygonal hole and then the piston rod is enclosed by the bush; a plurality of disk holes are formed on the output disk, which is communicated to a valve opening of the rod groove.

IN THE FOLLOWING, WE WILL DISCUSS THE NOVELTY OF THE PRESENT INVENTION

(A) As comprising the present invention with the citation USP 5,730,035, it is shown that in the present invention, "the bearing top seat being installed in a top of a head chamber with a top washer 55 being located between the bearing top seat and a top wall of the head chamber;" However the citation '035' has no corresponding structure. In the citation, '035, the bearing top seat resist against the head valve 24. Thereby the structure is different from the present invention.

(B) Furthermore, in the present invention, the valve gate 80 is located below the bearing bottom seat 22 at an opposite side of the bearing top seat 21. The corresponding element of the citation '035 is the head valve 24, but in the citation, the heat valve 24 is located near the bearing top seat 21, namely near the top of the chamber. Thereby the arrangements of the valve gates (80 in the present invention, 24 in the citation) are formed.

(C) It should be noted, in the present invention, the air inlet 29 is located in the bearing bottom seat 29, while the air inlet 20 of the

citation '035 is located neat the bearing upper seat of the citation. Thus the two are arranged at different positions.

(D) However the arrangements of the bearing upper seat 21, bearing bottom seat 22, the air inlet 29 and valve gate 80 as discussed above will make the airflow with the screwdriver different. The citation '035 causes that the sstructure is unstable due to the distribution of airflow path and thus a great vibration generates. However the present invention make the airflow path shortened and distributed more uniformly so that in operation, the screwdriver is steady.

(E) Furthermore, in the new claims 7 to 9, we disclose "the planet gear set has a first driving gear 31; the first driving gear 31 is driven by the spindle 20 and then serves to drive a plurality of second driven gears 33 around the first driving gear 31 and an internal gear 32; the second driven gears 33 will drive a power output disk 4 on the bearing seat 5 to rotate. " and "an axial line of the output disk 4 is formed with a polygonal hole 41 and a polygonal piston rod 6 is installed along an axial line of the output disk 4 and passes through the polygonal hole 41" or "a bush 42 is engaged to the polygonal hole 41 and then the piston rod 6 is enclosed by the bush 42; a plurality of disk holes 40 are formed on the output disk 4, which is communicated to a valve opening 28 of the rod groove 26."

However all these are not seen in the citation, the citations uses clutch 15 to control the screwdriver, but the citation dose not disclose the above mentioned structure disclosed in the new claims 5 to 8.

If there still is any error in the claims or specification, Applicant requests and authorizes Examiner to amend the claims of the present invention so that the claim and specification can match the requirement of U. S. Patent. Attentions of Examiner to this matter is greatly appreciated.

Since in above discussion, it is apparent that no prior art has the features of the present invention, especially in new claim 4. Furthermore, as we know that no other prior art has features of the present invention.

DEC 09 2004

Thus, the present invention is novel and inventive.

It is now believed that the subject Patent Application has been placed
in condition for allowance, and such action is respectively requested.

Respectfully submitted.

Yun-Chung Lee

Dated: 11 / 26 /2004

235 Chung - Ho Box 8-24

Taipei Taiwan R. O. C.



郵件編號 Serial No. EE394153108TW

Contract No. 合約編號
寄件人姓名地址 Sender's name & address

235 Box 8-24, Chung-Ho,
Taipei Hsien, Taiwan, R.O.C.
Tel: 886-2-32333012
郵遞區號: 235

郵遞區號: TAIWAN()電話 Tel.

To: 收件人姓名地址 Addressee's name & address
U. S. Patent and Trademark Office
Mail Stop Non-Fee Amendment
Director of the U. S. Patent &
Trademark office

P. O. Box 1450
Alexandria, VA 22313-1450

U. S. A.
郵遞區號: Postal Code

電話: Tel.

Office of Origin 原寄郵局		Customs Declaration 原寄單		<input type="checkbox"/> 禮品 Gift <input type="checkbox"/> 貨樣 Sample <input type="checkbox"/> 商品 Merchandise <input checked="" type="checkbox"/> 文件 Document		Insurance 保險 <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date mailed 交寄日期(西曆) 年(Y) 月(M) 日(D)		Contents 內裝物品		Value 價值 NTS		Total Weight 重量 kg	
Postage 郵資 營業郵資券 元NTS 自備郵資券 元NTS 自備郵票 270 元NTS		I certify that all information provided by me is true and that the enclosed does not contain any hazardous or prohibited items. 茲證明本人所填資料為實且未夾帶任何危險及禁寄物品 寄件人簽名: <i>Yun-Chung Lee</i> 日期: <i>11/26/04</i>		郵局總郵務長: <i>[Signature]</i> 日期: <i>11/26/04</i> 性別: <i>[Mark]</i> 姓名: <i>[Mark]</i> Drawn by:		郵局總郵務長: <i>[Signature]</i> 日期: <i>11/26/04</i> 性別: <i>[Mark]</i> 姓名: <i>[Mark]</i> Drawn by:	

寄件人聯 SENDER'S COPY (第二聯)
此聯由寄件人保留，作為投遞郵件之憑證。如郵件未投遞，請於投遞期限內持此聯向郵局辦理退件手續。此聯在投遞後，將由郵局剪下，作為郵件之憑證。如郵件未投遞，請於投遞期限內持此聯向郵局辦理退件手續。此聯在投遞後，將由郵局剪下，作為郵件之憑證。